)DIS Science Data Support Team (SDST) Meeting Minutes 02/21/92

TENDEES: Phil Ardanuy   RDC   982-3714
     Lloyd Carpenter   RDC   982-3708
     Larry Fishtahler   CSC   464-3385
     Al Fleig   900   286-7747
     Harold Geller   MCST/RDC   982-3740
     Tom Goff   RDC   982-3704
     Liam Gumley   RDC   982-3748
     Ed Masuoka   920   286-7608
     Jim Ormsby   974   286-6811
     Si-Chee Tsay   913   286-9710
     Lalit Wanchoo   STX   513 1682
     Wil Webster   920.2   286-4506

XT MEETING: Date   Time   Building   Room

     Friday, February 28   10:00 am   22   G95

ase bring along your copy of the handout from the 02/21/92 meeting
discussion of items included in the handout but not discussed at
meeting.

!! There will be no meeting on Friday, March 6, 1992. !!!

PICS:
MODIS SOFTWARE NOTICE: The standard legal "notice" and author/sponsor information for SDST generated code were received fro
  GSFC Patent Counsel. The original and a slightly revised form were included in the handout. (A third, slightly revised version w
vided to Ed Masuoka by Ron Sandler after the meeting. This version should be used consistently.)

SDST TOTAL QUALITY MANAGEMENT: Stan Jaffin presented information on the application of Total Quality Management (TQM)
  MODIS SDST Software Lifecycle. Some SDST activities already include TQM techniques. Additional TQM techniques for MOD
ST were identified and discussed. Al Fleig pointed out that we can apply TQM to all aspects of the SDST operation, but the SDST ca
uire the scientists to implement TQM. Larry Fishtahler stated that in TQM the focus should be on risks. For example, it is very difficu
ort
nplex algorithms from an IBM mainframe to another computer.

CLOUD ALGORITHM PORTING: Tom Goff presented "lessons learned" information from his experience in porting the cloud algorith
n the IBM to the SGI. He also gave a breakdown of time (approximately on month) spent on the porting effort. Approximately 75%
time was spent in dealing with the IBM infrastructure. Tom listed eight specific recommendations aimed at facilitating the porting
)DIS science code. It was generally agreed that there is a need for guidelines to the scientists pointing out how they can make their IB
le more portable. Al Fleig is interested in finding out whether any
im Members plan to deliver code from IBM computers. This question
ld be presented at the Science Team Meeting. Al is also interested in taking a close look at how the iterative process would work whe
h the SDST and the Team Members are modifying the same code at the same time.

MODIS AIRBORNE SIMULATOR (MAS): A proposed cataloguing scheme for MAS data and a strategy for storing and distributing MA
a were included in the handout, but these items were not discussed due to lack of time. These topics will be discussed at the next meeting.

CODE REVIEW BOARD: Will Webster passed out a written description of his proposed mechanism for reviewing MODIS algorithm. The review committee consists of Al Fleig, Ed Masuoka, Will Webster, Karl Anderson, and Dan Sullivan.

SDST SCHEDULE: The most recent version of the SDST schedule was included in the handout. It was not discussed due to lack of time.

ACTION ITEMS:

30/91 [Lloyd Carpenter and Team]: Draft a schedule of work for the next 12 months. Include primary events and milestones, documents produced, software development, MAS support, etc. (An updated draft schedule was included in the handout.) STATUS: Open. Due date 27/91.

06/91 [Liam Gumley]: Investigate a cataloguing scheme for the MAS data. Consider the Master Catalogue, PLDS and PCDS. (Results investigation were included in the handout.) STATUS: Open. Due date 02/14/92.

06/91 [Liam Gumley, Tom Goff, Ed Masuoka]: Develop a plan for storing and distributing MAS data. (The plan was included in the handout.) STATUS: Open. Due date 02/14/92.

03/92 [Ed Masuoka]: Check on the UCAR "copyright" as a first step in standardizing an SDST software copyright statement for code sharing. Check with legal. (The GSFC Patent Counsel's version of the notice was included in the handout.) STATUS: Open. Due date 14/92.

03/92 [Team]: Check on the set of software engineering tools available in Code 530 to see if any of these would be of use to the SDS further attempts will be made to contact Julie Breed, Code 563.2, and arrange to run the Cloud Algorithm through their Pro:QA.) STATUS: Open. Due date 02/14/92.

17/92 [Tom Goff]: Have a polished version (with peer review) of the file dump routine ready for the MODIS Science Team Meeting. STATUS: Open. Due date 04/01/92.

21/92 [Ed Masuoka]: Talk to Code 930 and find out what tools they have for porting data between computers from different vendors. STATUS: Open. Due date 03/13/92.

21/92 [Lloyd Carpenter and Team]: Identify a list of risks associated with porting Team Members' algorithms to the PGS. Prepare the discussion at the Science Team Meeting. STATUS: Open. Due date 04/01/92.